Missouri Botanical Garden

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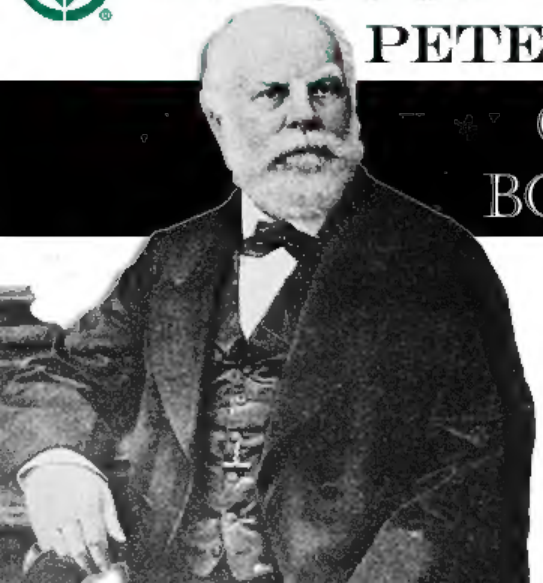
George Engelmann Botanical Notebooks

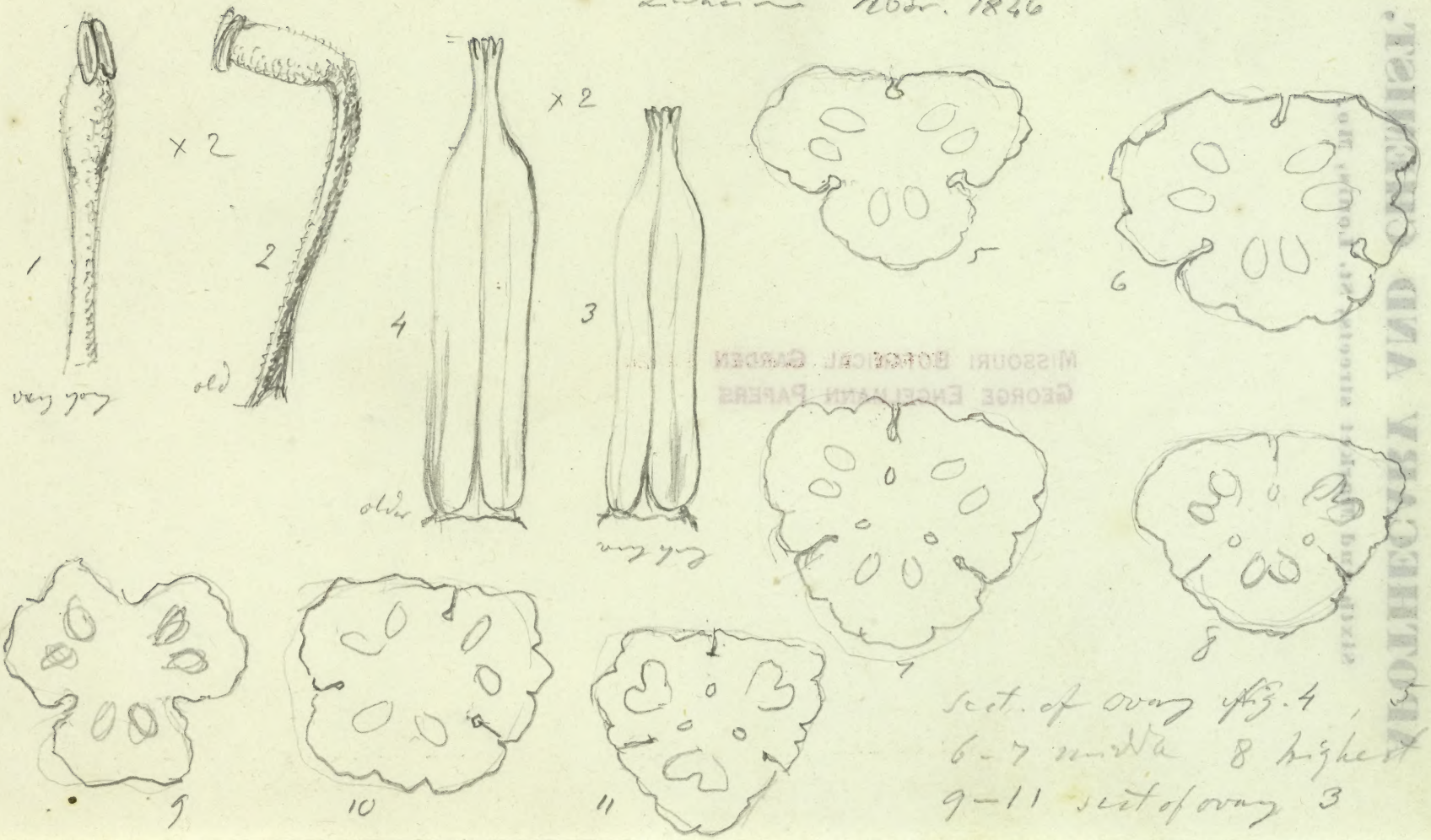


Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Yucca longifolia

Lehm Nov. 1846

July 1862



sect. of ovary of fig. 4, 5 lowest.
6-7 middle 8 highest
9-11 sect of ovary 3

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS
VOLUME I FOLIO
0 1 2 3 4 5 6 7 8 9 10
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ARTHUR LEITCH,
APOTHECARY AND CHEMIST,
Sixth and Market streets, St. Louis, Mo.

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Yucca Constricta May 14 1872

Texas Lindheimer 1849

X150

cells not much elevated,
depressed & rather

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Leitch & Carlies

DRUGGISTS

Southwest Corner Fifth and Market Streets

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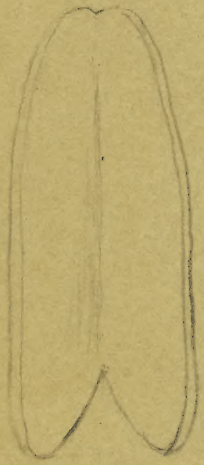
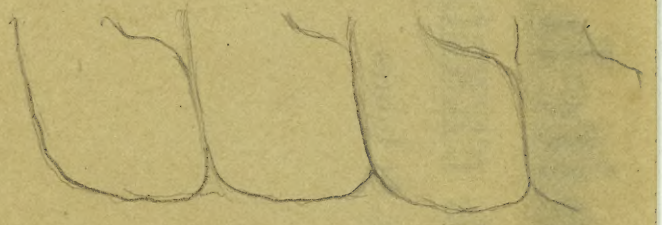
Y. long. Folia

April 20 1873

N Bromfol. Lindheim 1846

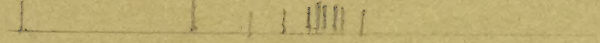
anther of a flower
×10 just opening





ovules ×30

each about 0.5 mm thick



Diam of Pollen
17-34/415 usually 30/415

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Alex. Leitch,

APOTHECARY & CHEMIST,

Cor. 4th & Olive Sts., St. Louis.

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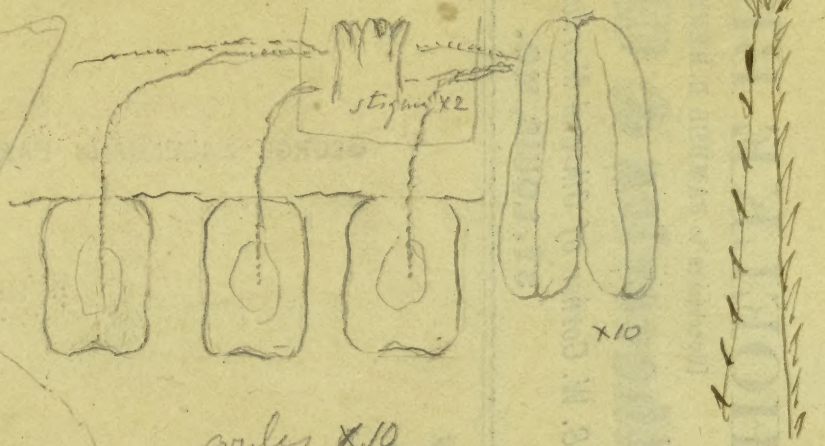
Yucca spinosa H&B K in Herb Kunth! April 18 1871

Berlin march 1871

Beaulieu?

" The specimen consists of two flowers and two ends of leaves or upper parts. The leaves look exactly like those of Dasylirium acrotriche, so that I (A Braun) place them there without any hesitation!

flower examined and returned



ovules X.10

= 0,33 mm thick

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HOELKE BROS.,

[Successors to SAMUEL D. HENDEL,]

Apothecaries & Chemists,

S. W. Corner of 6th and Market Streets,

ST. LOUIS, MO.

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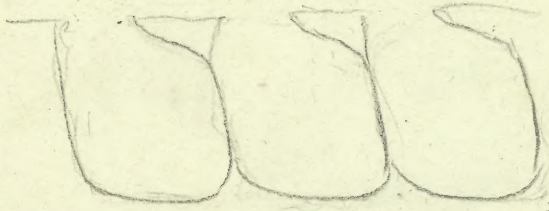
Yucca canaliculata

Hog manna

April 27 1872

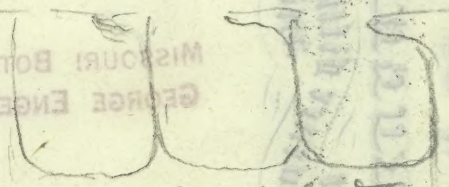
x2



ovules of open flower

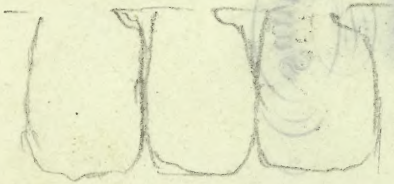
x 30

$\frac{45}{3 \times 30}$ = 1 ovule 0.5 mm thick



ovules of bud x 30

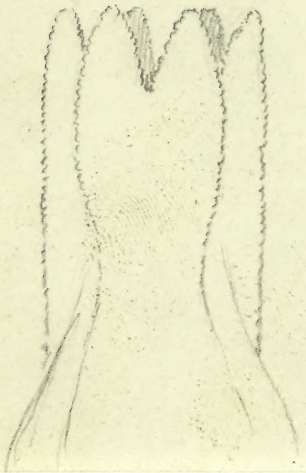
$\frac{43}{3 \times 30}$ = 0.48 mm each ovule



$\frac{36}{3 \times 30}$ = each ovule = 0.40

sometimes found such small ovules in bud & flower

x10



tip of stigma

x60

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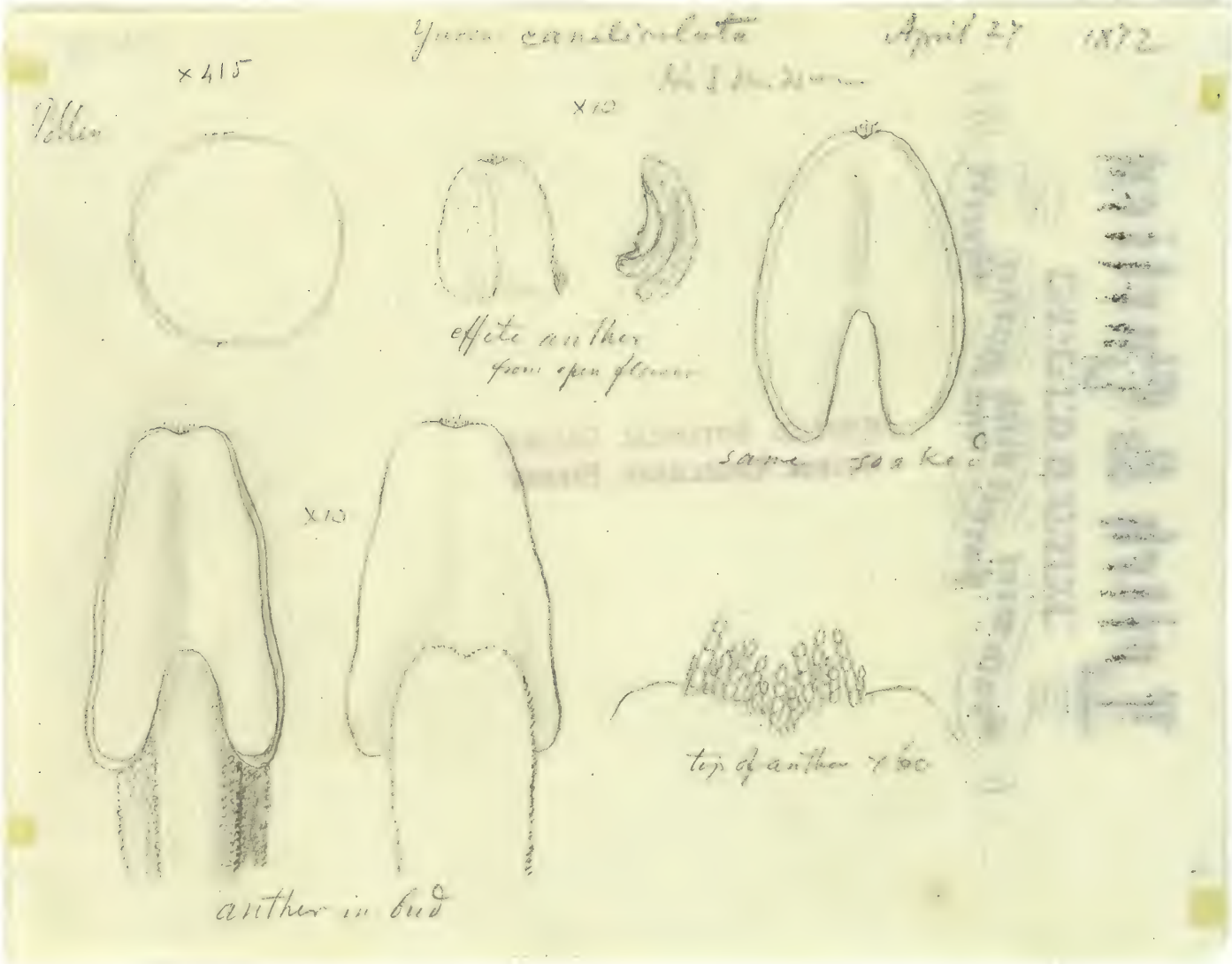

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Leitch & Carlier

DRUGGISTS

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Yucca canaliculata
Wm Hamm

April 27 1872

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DRUGGISTS

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Rec'd April 5th

BOTANIC GARDEN, CAMBRIDGE, MASS.

April 2d 1873

"Yucca canaliculata, W. J. Hook.;
caule subpedali crasso, foliis
densis bipedalibus lanceolatis crassis
supra basin latioribus sensim
spinoso-acuminatis rigidiscis
subtus asperis supreme
lævibus marginibus integer-
rimis rubro-subcartilagineis,
paniculâ ampla compacta den-
siflora, floribus sulphureis,
perianthio globoso, foliolis
late ovatis acutis concavis acu-
tiusculis basi subito angustis".

Bot. Mag. 86, t. 5201.

"September 1, 1860."

(Over.)

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"Stem. - St
inbrand
scars of f
ing or a
closely i
firm, ha
contract
+ gradu
point, v
almost
beneath,
entire,
+ red bro
of the
not, in
each br
sulphu
Foliolus
scarcely
base.
— Pro
next to Y.
+ colour
rigid my co

0 1 2 3 4 5 6 7 8 9 10
cm
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"

Stem erect, 10' high, 3-4' in diameter, unbranched, transversely marked with the scars of fallen foliage. Leaves 2° long, spreading on all sides, numerous, 20-24' long, closely imbricated on the trunk, lanceolate, firm, hard, coriaceous, subfalcate, contracted at the base, then dilated & gradually tapering to a rigid spinulose point, very concave in its whole length, almost semicylindrical, asperous beneath, smooth above, the margins entire, with a subcartilaginous & red brown line at the very margin of the young leaves. Panicle terminal, ~~in~~ a large ~~branch~~ compound raceme, each branch thickly clothed with large, sulphur-colored, drooping, globose flowers. Foliolus or sepals subconnivent, broad-ovate, scarcely acute, contracted at the very base. Stamens & pistil as in the genus.

— Probably of Mexican origin. May rank next to Y. gloriosa, differing remarkably in the form & color of the flowers & still more in the straight rigid very concave-canaliculated foliage. We know of

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no species, either, with such densely flowered panicles."

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Dear Dr. Englmann

I send rather more than you ask for, but thought you might like the tracing as well.

I have been through the Potentillas recently – do not know what you will think of my conclusions. Had no difficulty in reducing Lehmann's numbers materially. Was there ever more than a single specimen of P. pentandra collected?

Yours truly

Sereno Watson

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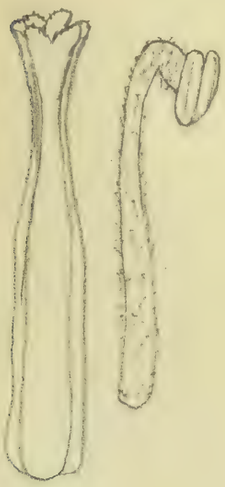
Bot. Mag. t. 5201

Yucca canaliculata, W. J. H.



Lemon tinge on the borders of the flowers

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Y. Canaliculata Hook fil. Bot Mag vol 86
t. 5201
Sept 1860

Shaw's Garden
Aug 1870

133-7

end spoonly gr
after a ye
April 18

back view

The history of this specimen is unknown.
It might possibly be one of my seedings
of Y. Recurvifolia of the year 1849 – given
by me to Mr Shaw in 1856

or rather concave

Leaves deeply channeled
rough Brown white edged margin
fine fibres.
a fine stout plant, trunk 4 feet
high, leaves 2½ – 3 feet long
stout black brown spike.

edge deep brown, finally becoming white on extreme
margin and their original attaching fibres

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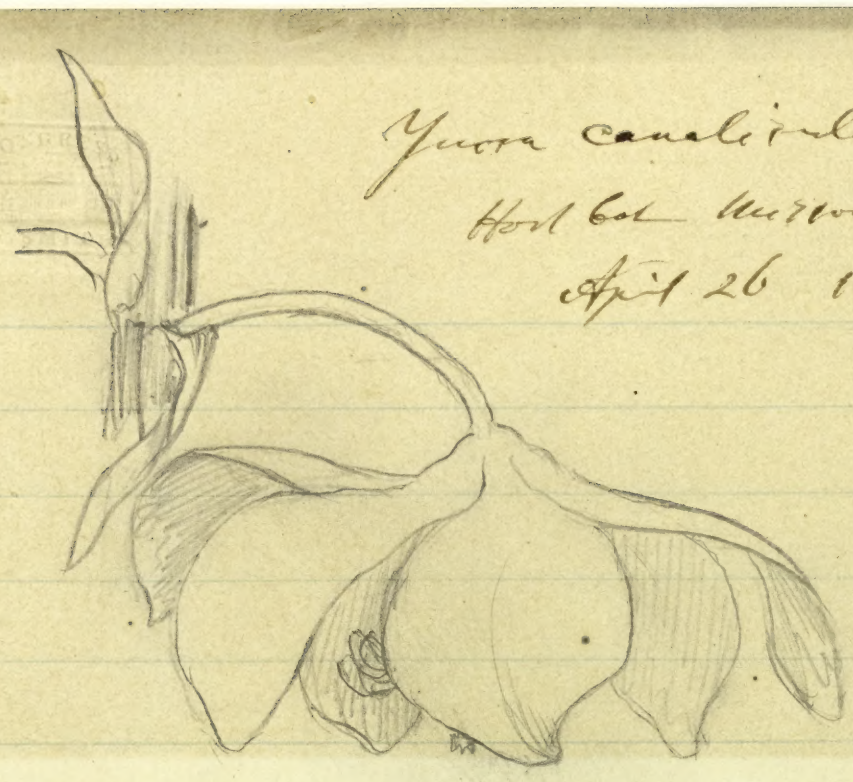
Yucca canaliculata

Hort Bot Matrit

April 26 1872



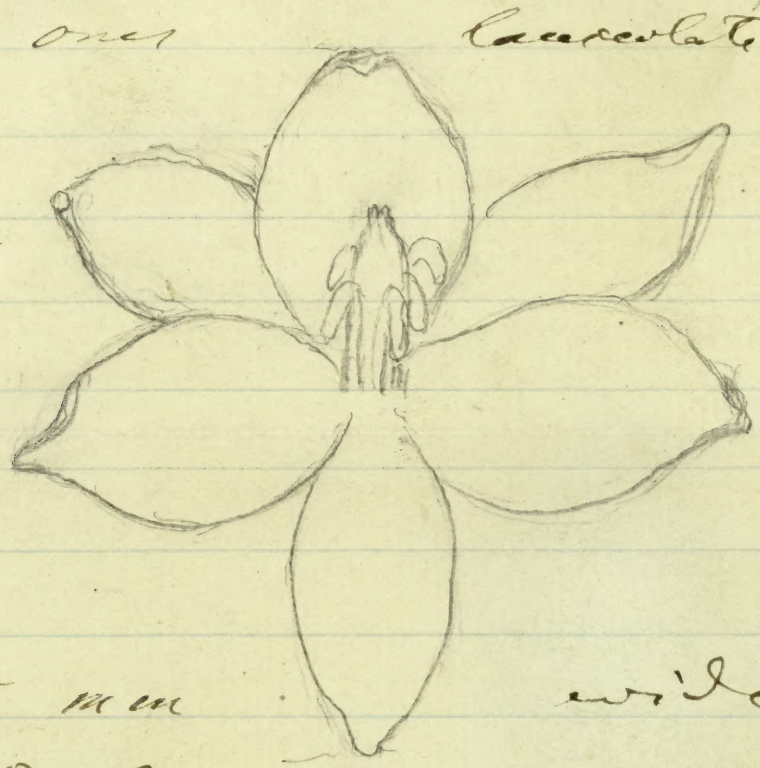
flowers open wide in evening

subsessile

Panicle 2 feet high 1¼' wide very dense, with numerous erect branches, almost level topped each bearing very numerous crowded flowers. Lower bracts ovate, acute, pale, persistent large (2 - 3 inches long) ½" wide at base

ones lanceolate 18 - 23 mm long about 1 inch long all white

bud



flowers 70 - 85 mm wide

exterior sepals 15 - 19 mm

interior 18 - 23 mm wide

filaments not much shorter than pistil, very strongly recurved

pistil persistent, stigma sessile short, 3 lobed

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